

Patent Claims:

1. Pressure control device for varying the brake pressure in at least one wheel brake of a vehicle, which includes at least one inlet valve and one outlet valve for the variation of the brake pressure, with a brake pressure channel which connects a pressure fluid source to the wheel brake and in which the inlet valve is mounted, as well as a return channel which connects to the brake pressure channel between the inlet valve and the wheel brake and in which the outlet valve is mounted, with the return channel being connected either to a low-pressure accumulator or an unpressurized supply tank,
c h a r a c t e r i z e d in that in a brake pressure control phase in which the brake pressure in the wheel brake (3) shall be increased, both the inlet valve and the outlet valve (1, 2) are opened, while during the time of opening of the inlet valve (1), the outlet valve (2) is opened for a length of time (t) that is shorter than the time of opening of the inlet valve (1).
2. Pressure control device as claimed in claim 1,
c h a r a c t e r i z e d in that the point of time of opening (ta) of the outlet valve (2) depends on the point of time of opening (te) of the inlet valve (1), the point of time of opening (ta) of the outlet valve (2) corresponding to the point of time of opening (te) of the inlet valve (1).
3. Pressure control device as claimed in claim 1,
c h a r a c t e r i z e d in that the length of time (t), in which the outlet valve (2) is opened, amounts to a maximum of four milliseconds.

4. Pressure control device as claimed in any one of the preceding claims,

c h a r a c t e r i z e d in that the period of opening of the inlet valve (1) is increased in approximation by the length of time (t) of the opened outlet valve (2) in order to compensate for the pressure fluid that is discharged from the wheel brake (3) through the opened outlet valve 2 during the length of time (t).